

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in this application.

Listing of Claims:

1. **(currently amended)** A method to impart anti-microbial activity to the surface of a **polyethylene** [polyolefin] object which **consists essentially of:**
[comprises:]

a. **applying to** [coating] the surface **a coating having a**
5 **thickness from 0.1 to 5 mils of** [with] an anti-microbial
composition comprising:

i. from 0.5 to 5 weight percent of an anti-
microbial metal selected from the group consisting
of elemental and ionic silver, zinc, copper and
10 cadmium deposited on a solid carrier, and

ii. from 95 to 99.5 weight percent of a
polyethylene [polyolefin] fusible solid selected
from the group consisting of a hydrocarbon resin
having a viscosity at 177 degrees C. in excess of **50**
15 **centipoises**, [20,] **polyethylene** [a polyolefin]
having a melt index less than **30 grams/min.** [50,]
and mixtures thereof; and

b. heating the surface to a temperature at least 250 degrees
F. for sufficient time to fuse the coating into the wall of said
object.

2. **(previously presented)** The method of claim 1 wherein said anti-
microbial metal is silver.

3. (previously presented) The method of claim 1 wherein said carrier solid is an ion-exchange solid and said anti-microbial metal is ion-exchanged onto said carrier solid.

4. (previously presented) The method of claim 3 wherein said ion-exchange solid is zeolite.

5. (previously presented) The method of claim 3 wherein said anti-microbial metal includes zinc.

6. (previously presented) The method of claim 1 wherein said polyethylene [polyolefin] fusible solid is polyethylene.

7. (previously presented) The method of claim 1 wherein said polyethylene [polyolefin] fusible solid includes a hydrocarbon resin.

8. (currently amended) In a rotational molding method for fabrication of a hollow form plastic product in a rotational molding cycle wherein polyethylene [plastic] particles are charged to a rotational mold, the mold is closed, heated to a molding temperature while being rotated about its major and minor axes for a time sufficient to form said molded product and the mold is cooled to a demolding temperature, opened and the molded product is ejected, the improved method for imparting anti-microbial activity to the exterior surface of said molded product which consists essentially of: [comprises:]

applying to a selected area of the interior surface of
said rotational mold at substantially the demolding

temperature a coating having a thickness from 0.1 to 5 mils and comprising

i. from 0.5 to 5 weight percent of an anti-microbial metal selected from the group consisting of elemental and ionic silver, zinc, copper and cadmium deposited on a solid carrier, and

ii. from 95 to 99.5 weight percent of a polyethylene [polyolefin] fusible solid selected from the group consisting of a hydrocarbon resin having a viscosity at 177 degrees F. in excess of 50 centipoises, [20,] polyethylene [a polyolefin] having a melt index less than 30 grams/min., [50,] and mixtures thereof; and

b. continuing said rotational molding cycle to obtain a molded, hollow form plastic product having said anti-microbial composition fused into the wall of said product.

9. (previously presented) The method of claim 8 wherein said anti-microbial metal is silver.

10. (previously presented) The method of claim 8 wherein said carrier solid is an ion-exchange solid and said anti-microbial metal is ion-exchanged onto said carrier solid.

11. (previously presented) The method of claim 10 wherein said ion-exchange solid is zeolite.

12.(previously presented) The method of claim 10 wherein said anti-microbial metal includes zinc.

13.(previously presented) The method of claim 8 wherein said polyethylene [polyolefin] fusible solid is polyethylene.

14.(previously presented) The method of claim 8 wherein said polyethylene [polyolefin] fusible solid includes a hydrocarbon resin.

15. (newly presented) The method of claim 6 wherein said polyethylene has a melt index less than 20 grams/min.

16. (newly presented) The method of claim 13 herein said polyethylene has a melt index less than 20 grams/min.

17. (newly presented) The method of claim 1 wherein said hydrocarbon resin is selected as said polyolefin fusible solid.

18. (newly presented) The method of claim 8 wherein said hydrocarbon resin is selected as said polyolefin fusible solid.